

## Three cheers for basic research

By Ron Thomas

No two ways about it, basic research is a matter of beaver away. You work, you test, you tinker, you dream (in technicolour, of course), you work some more and one day there's a breakthrough or, at the very least, the laying of groundwork for a breakthrough.

The University of Alberta has experienced a number of these banner days and it hungers for more of them. That was made evident at a celebration of basic research, 31 January at the Faculty Club.

Three researchers who have tasted success at a very high level were praised and a colourful brochure that outlines some of the breakthroughs achieved at the University was launched.

Greg Hollingshead (English), Robert Moody (Mathematical Sciences) and Dennis Vance (Biochemistry) were congratulated by President Rod Fraser; Vice-President (Research and External Affairs) Martha Piper; the Minister Responsible for Science and Research, Dianne Mirosh; Nobel Laureate Richard Taylor; and a cross section of the University community.

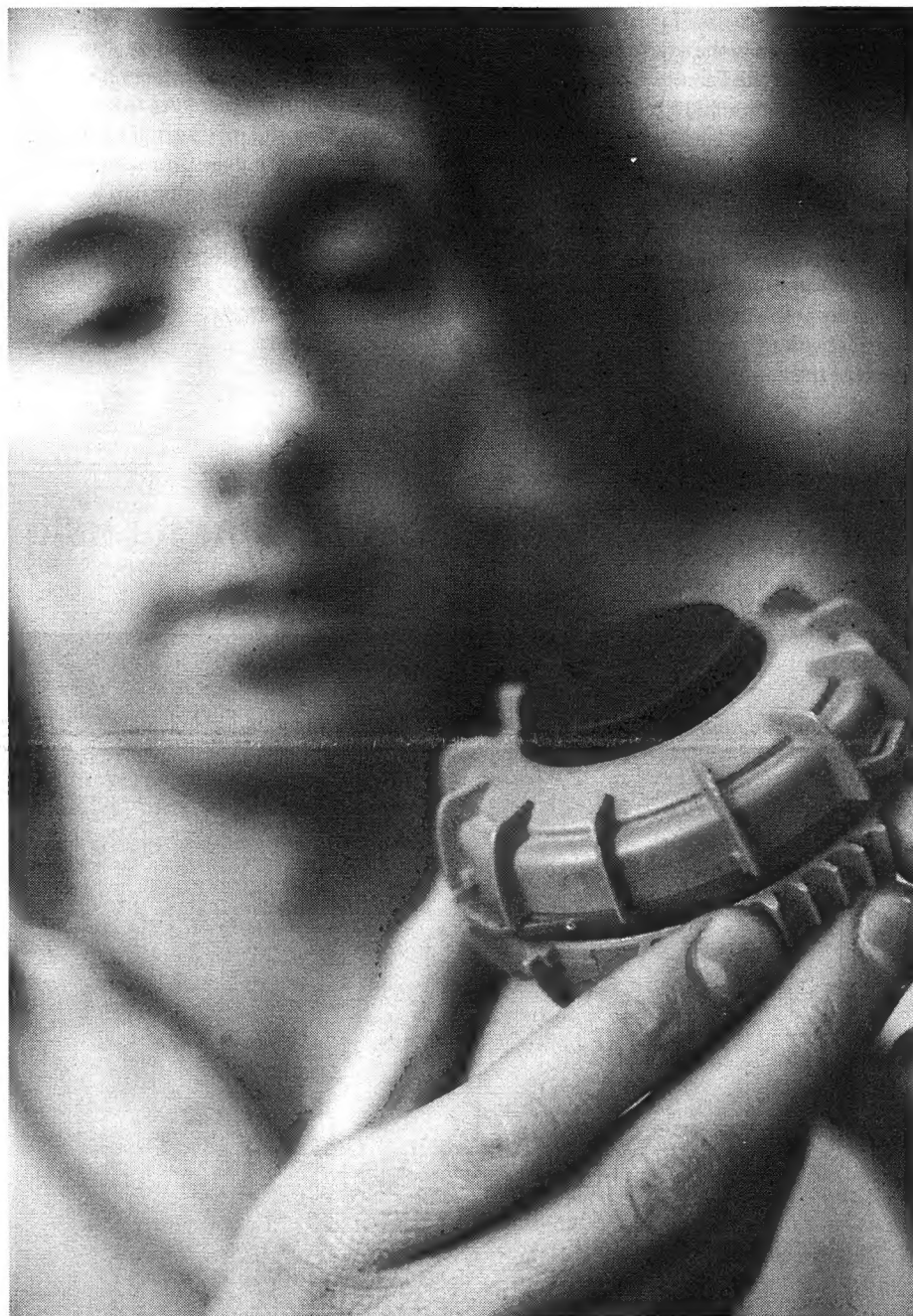
Dr Hollingshead recently won the Governor General's Award for Fiction (*The Roaring Girl*); Dr Moody is co-winner of the Wigner Medal (1994), awarded for outstanding contributions in the mathematical foundation or in applications of group theoretical material methods to physics; and Dr Vance is co-recipient of the Heinrich Wieland Prize for his fundamental research in lipids and lipoproteins.

Dr Hollingshead talked about "plugging along" for 20 years, publishing stories and articles in the so-called little magazines. "I'm grateful to the University for allowing me to continue in this dogged, unlikely fashion. Those who do research know that behind every breakthrough there's many thousands of hours of work."

Dr Moody, who probes the relationships between abstract symbols, said nobody can expect a breakthrough, certainly not without working extremely hard, having one's work recognized by one's peers, and getting a little luck.

At the U of A we continuously see examples of fundamental, curiosity driven research that pave the way for bigger things, Dr Vance said. The focus of his research is how liver cells regulate the manufacture of phosphatidylcholine (PC), a lipid which is the building block of the cell wall.

Mirosh reminded the gathering that because of good scientists, Alberta attracts good businesses. However, she said universities and government still had work to do in terms of telling the research story to



**Don't try this at home:** Engineering Professor Ken Fye examines one of two pressure-triggered land mines supplied by the Defence Research Establishment at Suffield. The land mines, one (pictured) an anti-personnel land mine, and the other, an anti-tank land mine, were shown to students. The mines are disarmed. Please see story, page 8.

the public. "Let's work to tell the rest of the world what we do here," she urged.

Dr Taylor, co-winner of the 1990 Nobel Prize for Physics, said "Breaking Through" reminded him of how much progress has been made since his student days. "The year I graduated ['50 BSc, '52 MSc] there were no PhDs and 66 master's graduates. They would have had to go elsewhere for further training. Now they can stay here."

There's been enormous improvement at the U of A over that period of time, and

one reason for that is the extra money that government has ploughed into the University for research, Dr Taylor said.

"Today we celebrate the basic research that has been conducted at the University of Alberta in a wide array of fields—the humanities, sciences, engineering, social sciences and fine arts," Dr Piper said. "Today we celebrate all the individuals—faculty, support staff, technicians, and students—who have wanted to know the answers and who have dared to ask why and how—who have not been satisfied

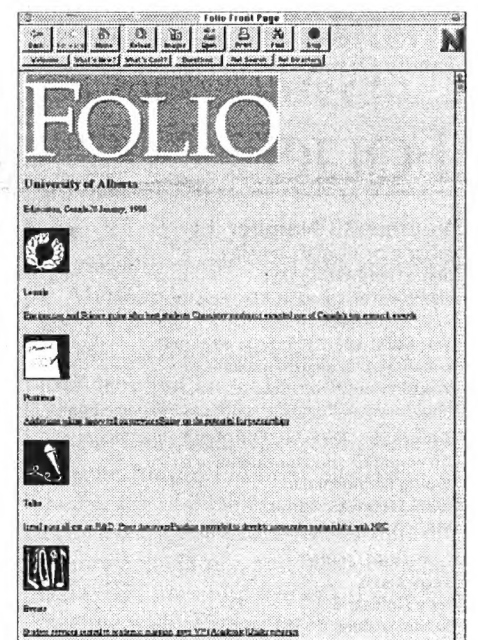
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## One, two, three CLICK: *Folio* now on the Internet

By *Folio* staff



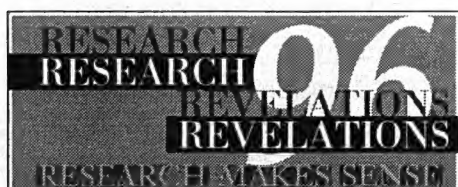
Hit us every other Monday morning. That's a standing invitation from *Folio*, which is now on the Internet. Our Web site is at: <http://www.ualberta.ca/~publicas/opahome.html>

There you will find our "Top 10" stories plus the regular listing of Talks and Events and all classified ads. Photographs and illustrations are not yet part of the package but they soon will be—a scanner is now being connected.

You can access *Folio* on the Internet at 8:30 am on the Monday following Friday publication. For example, today's *Folio* can be accessed electronically on Monday, 12 February.

*Folio* has actually been appearing on the Internet for three months but it wasn't announced formally until we worked the bugs out. Well, we're pleased to report that the bugs have been zapped and the gremlins are in the Information Superhighway's ditches.

As always, *Folio* is interested in what its readers have to say, particularly with respect to ways of improving the electronic version. Please forward your comments to: Office of Public Affairs, 400 Athabasca Hall. Telephone 492-2325. Fax 492-2997. E-mail: [public.affairs@ualberta.ca](mailto:public.affairs@ualberta.ca)



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## Two-day reduction of Library services planned

### Will coincide with Family Day weekend

The University of Alberta Library must do file maintenance periodically on its catalogue. Because of the complexity of the maintenance and the size of the file (3.2 million records), the public catalogue and the circulation system have to be brought down for two days. This interruption of service is planned to coincide with the Family Day weekend.

Libraries will be open on Sunday, 18 February, but all Circulation/Access and Reference/Information service points will be closed for that day. The Library's on-line catalogue, The Gate: The NEOS Libraries' Catalogue will not be available. The Library will be able to offer the following services:

- University of Alberta Libraries will be open during their regularly scheduled Sunday operating hours;
- The Health Knowledge Network databases (Cancerlit, Medline, CINAHL, EMBASE, Health, MDX Health Digest, NEJM, and PsycINFO) will be up and running;
- Other accessible on-line databases will be CANSIM, CARL UnCover, Current Contents, ERIC, OCLC First Search, and Oxford English Dictionary; the individual CD-ROM databases will be up and running;
- Library patrons will be able to study, consult the collections, and photocopy as usual.

Please be sure to sign-out the Reserve materials, books, and periodicals you need before 18 February.

All libraries will be closed on Family Day. ■

## Law Campaign 75 nears its goal

### More than \$2.7M raised

By Shannon Zwicker

Only three months after the Faculty of Law kicked off its \$3 million Law Campaign 75, it is getting ready to celebrate achieving its goal.

Since its October kickoff, when \$1.3 million in major gifts was announced, the Faculty has raised approximately \$1.4 million, bringing the total to more than \$2.7 million.

Campaign co-chair Gary Campbell is delighted with the success of the campaign.

"The response from the legal community has been very strong," he says. "Alumni who have never given more than \$100 to the law school before are making five-year pledges of \$5,000, \$10,000 — even \$20,000."

One of the reasons for such strong alumni support is the example set by staff and faculty in the Faculty's internal campaign. "Fundamental to the success of this campaign was the leadership shown by the members of the Faculty of Law, especially our faculty members who made an average gift of \$7,800," says Dean Tim Christian, "This has set a high standard for our alumni to follow."

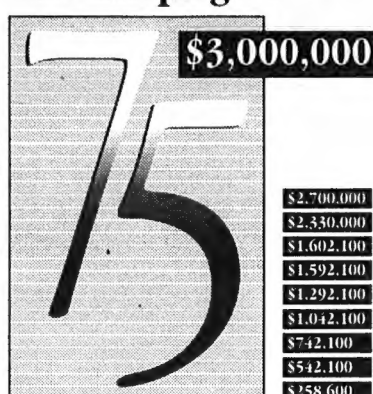
Campbell and his fellow co-chairs, Rod McLennan and Tevie Miller, credit much of the campaign's success to the

### Goal

### Campaign to Date

Planned Gifts: \$370,000  
Campaign Gifts: \$727,900  
Law Students Gift: \$10,000  
Eldon Foote Gift: \$300,000  
McLean Gift: \$250,000  
CN Gift: \$300,000  
Decore Gift: \$200,000  
Executive Gifts: \$283,500  
Faculty of Law Gifts: \$258,600

### Law Campaign



work of the campaign volunteers. In addition to the campaign cabinet, one or more "class leaders" were recruited for each graduating class from 1950 to 1994. In turn, the class leaders recruited their own helpers, bringing the total number of volunteers to approximately 200.

And while these volunteers have been busy, many alumni have yet to be contacted, making the prospect of raising another \$300,000 a very promising one.

The end date for the campaign has not yet been set, but the campaign co-chairs hope to reach their goal by the end of February. ■

Shannon Zwicker is the Faculty of Law's Development Officer.

## 'Breaking Through'

Continued from page 1



Helping to raise basic research's profile are, from left, President Rod Fraser, Greg Hollingshead, Dennis Vance and Robert Moody.

with the status quo or our current level of knowledge—who have wanted to make sense of our environments, cultures, and universe. Research, does, make sense."

The brochure "Breaking Through with Research at the University of Alberta" highlights the recovery of bitumen from oil sands, the *Encyclopedia of Ukraine*, dealing with Alzheimer's disease, the Hybrid Electric Vehicle, Cutler Wheat (the earliest maturing wheat in Canada), the Access Sports Nutrition Bar and Surgical Lasers.

Also shown are some of the University's emerging areas of research, for exam-

ple, studies of DNA replication, environmental science, the relationship of stress and disease, memory and perception, and sociopolitical aspects of literacy.

"We know that basic research never ends. There is always a fresh challenge, a new excitement ahead," Dr Fraser said before emphasizing that "basic research makes sense" and that the University would continue to work with government to sell science and research to the broader community. ■

## CURRENTS

### Academic Technologies for Learning

Academic Technologies for Learning (formerly Alternative Delivery Initiative) invites faculty and graduate students to an Open House and a series of mini-workshops during Reading Week. The two days of activities are designed to expose faculty to educational technologies for teaching and learning. The sessions are mostly "hands-on" and will provide an opportunity for faculty to work with the technologies as they discover which can be useful to enhance learning in their classes and when to apply them. 2-111 Education North.

Session details on-line at: <http://www.ualberta.ca/~jdriedge/slope.html>

### Winning essay lands student in national documentary

Medical student James Wiedrick has won a Magna for Canada Scholarship Award. His "As Prime Minister, I Would ..." essay on ways of improving national unity and the standard of living was chosen as one of 10 regional winners across Canada. Wiedrick and the other award recipients are featured in a documentary filmed in association with this year's scholarship program. It is scheduled to be shown on CFRN television 17 February at 9 pm.

## Pharmacologist to speak about targeting drugs to cancers

Terry Allen (Pharmacology) is the next speaker in the University of Alberta Downtown Lecture Series called "What's Up Doc?"

Dr Allen's topic for the Thursday, 15 February, lecture is "Magic Bullet: Targeting Drugs to Cancers".

Dr Allen is a ground-breaking researcher: In 1987, her laboratory was awarded the first Canadian patent for developing "Stealth" liposomes, liposomes that could survive undetected in the body for extended periods. (Liposomal drug delivery systems were not new, but their effectiveness was limited because the body easily recognized them as foreign and rapidly removed them.)

"Stealth" liposomes were found to work effectively against solid tumors and are used in treatment of Kaposi's sarcoma (AIDS). They are also doing well in clinical trials to treat breast cancer and ovarian cancer, and are being tried in lung cancer.

Dr Allen's 30-minute lecture begins at 12:15 in Room 203 Edmonton Centre (next to the pedway access to the Hilton Hotel). Admission is free. ■

### EFF - UNIVERSITY TEACHING RESEARCH FUND - APPLICATION DEADLINE

The deadline for receipt of applications to the EFF - University Teaching Research Fund is 15 February 1996.

Application forms are available from University Teaching Services, 215 CAB, telephone 492-2826.

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# Lots of international bridges in place, now we have to get people crossing them — President Rod Fraser

*Professors insist system must be in place to encourage international endeavour*

By Michael Robb

Many people on campus share the President's vision of creating a truly international university, but a number of key policies have to be changed and money has to be redirected to support the goal.

And while many people at a recent International Week forum recognized the obvious economic benefits of internationalizing the U of A, others reminded panelists President Rod Fraser and Chancellor Lou Hyndman that the internationalization of the U of A has to also be about social and cultural benefits and exchanges.

Mechanisms have to be in place to support incentives for faculty members to work internationally and help make the internationalization of the U of A a reality, said Louis Francescutti, Department of Public Health Sciences and Division of Emergency Medicine. "We just had a faculty retreat and everyone is very supportive of the concept, but everyone says, 'What am I going to give up to make the President's dream a reality?'"

Occupational Therapy Professor Sharon Brintnell agreed with her colleague in Medicine. "It is a very time-consuming process. It takes time and money to establish international relationships. And

they're only formed when you're able to go there and do business face-to-face." It may be time to look at longer periods of evaluation to recognize the time it takes to establish international relationships, she suggested.

Dr Fraser said he hoped that the University could get a buy-in from key leaders, Deans and Chairs, who would increasingly consider the international efforts of professors when FECs were reviewed.

History and Classics Professor Ann McDougall suggested that the President's view of the international world is very much guided by parts of the world already achieving significant economic growth. Responded the President: The numbers of international students the U of A has in its undergraduate programs is so low. It doesn't correspond to a University that has this kind of academic strength.

"If someone hasn't given me a hundred million dollars so I can do the ideal program, it seems to me we've got to start off by making something happen some place where we've got some chance of getting the wherewithal to make it happen," Dr Fraser said. The north-south

links are going to be major drivers of the U of A's internationalization efforts.

Chancellor Hyndman said that in the long run the University is going to have to make choices. "I don't think anyone would agree that we should look at all the countries that belong to the United Nations and provide scholarships on the basis of representation by population."

The President said the University has a number of reciprocal agreements with other universities abroad, but they are simply bridges. We now have to find some way to get people to cross those bridges, he said, responding to a graduate student who pointed out that very few scholarships are in place for studying abroad.

Some universities, the President said, have stated that they want every one of their students to spend at least a term abroad. The U of A should be thinking about that, he said. Added the Chancellor, Employers are looking for students who have had international experiences.

Dr Fraser reiterated his desire to increase the number of international students studying at the U of A, to provide a milieu where students can appreciate one another's social, economic and political lives.

Educational Psychology Professor Bruce Bain said cutbacks in Canadian International Development Agency funding to the International Centre have to be offset by University support. Responded the President: One way or another, the resources have to be found to support the efforts of Alberta International and the International Centre. It's possible, added the Chancellor, that an alumnus may be encouraged to support the area.

Educational Policy Studies Professor Swee-Hin Toh said he didn't hear a lot about the University's role as a moral and ethical citizen, and the need to act on moral and ethical obligations.

According to Barry Tonge, Education Abroad Coordinator for the International Centre, last year more than 600 students brought back credit transfer from other Canadian and foreign institutions. The most popular spots for outgoing exchange students have been the United Kingdom, Sweden and Australia. "The vast majority of students going elsewhere in Canada for credit transfer work do so independently as visiting students on their own. The situation is reversed for international mobility where consistently over 90 percent of all activity has been tied to formal student exchanges." ■

## University developing plan for internationalization

By Michael Robb

From the Serengeti to the south of France, from Ellesmere Island to Chile, the University of Alberta's influence touches the world. Our alumni—over 7,000 outside of Canada—live in the four corners of the globe. Our students study foreign languages, take courses in the history and culture of other countries, consider the trans-national impacts of environmental changes, and study international politics and business practices.

In fact, there is a large international component in the U of A curriculum. Our researchers collaborate with their colleagues in virtually every country on the face of the planet. And the University has student and faculty exchange agreements with some 70 universities in other countries that provide opportunities for our students to study abroad and foreign students to come here.

Like most other universities, the University of Alberta is taking stock of its multitude of international activities and asking itself: Do we need a plan which will provide a focus and cohesion to our activities? The question reflects the priority to internationalize the activities of the campus.

President Rod Fraser has asked Ted Chambers, Director of the Centre for International Business Studies, to assist in developing an operating plan for internationalizing the University. A small steering committee, comprised of members from other parts of the University, will

work with Dr Chambers to consider options and recommend a course of action.

"Every major university is engaged in this activity," points out Dr Chambers. "My sense is that as an institution we have a very positive view of the benefits of internationalization. What we need is an explicit plan on how that commitment to internationalization can be realized."

**"We're looking for ideas and suggestions from anyone who's interested."**  
*Dr Ted Chambers*

Vice-President (Academic) Doug O'ram agrees. The U of A needs a strategic plan that links its international activities to the University's mission, and that builds on the work already done by the Senate Task Force and by many members of the University, he outlined recently to Deans, Directors and members of the Board of Governors.

The 1994 Senate Task Force on the International Dimensions of the University of Alberta called for the establishment of a strategic plan "to establish the University of Alberta as a leading international University."

"Internationalization is a multidimensional matter," says Dr Chambers, pointing out that some units on campus have been actively engaged in international

activities on a massive scale. "The question is, 'What kind of plan can we put in place that will encourage more of that activity?'"

Certainly, the provincial and federal governments would be very enthusiastic about whatever the University of Alberta could do to intensify its internationalization activities, he said.

In his brief to the Senate Task Force, Premier Ralph Klein said he was pleased with the scope of international education programming and activities undertaken by the U of A. "In addition to preparing Albertans for the global marketplace, the University has helped strengthen Alberta's relationships with countries which are our key trade and investment partners. These ties continue to open doors for the province in the diplomatic and commercial areas," the premier said.

In developing the plan, Dr Chambers and his colleagues are seeking the input of interested students, faculty and administrators to get their thoughts on where we are now, where we should be going, and—most importantly—how we are going to get there. A draft report for the President's consideration is expected to be completed in April.

"We're looking for ideas and suggestions from anyone who's interested," said Dr Chambers. People can direct their comments to Dr Chambers at CIBS in the Faculty of Business Building, or E-mail [tchamber@gpu.srv.ualberta.ca](mailto:tchamber@gpu.srv.ualberta.ca). ■

## Unfolding of universe in north-south pattern prompts Fraser to visit Mexico

By Ron Thomas

A wealth of advanced education opportunities, not to mention the Government of Alberta's business strategy vis-à-vis Mexico and the advent of NAFTA, led President Rod Fraser to visit Mexico last month.

Dr Fraser, who was accompanied by his wife, Judith, and Brian Stevenson, of the Faculty of Business, spent two days in a crash course absorbing Mexican history, politics and culture, and the remaining eight days pursuing two broad objectives: meeting with representatives of various educational institutions, and meeting with prominent business leaders. On a smaller scale, the trio met with state government officials, essentially on an informal basis, Dr Stevenson says.

The first objective pertained to recruitment of undergraduate and graduate students and, in Dr Stevenson's words, "the opening of spaces for our students to get an international experience."

The itinerary featured two days in Mexico City and a visit to the National University of Mexico which has 150,000 students, two days in Monterrey, and three days in Guadalajara, the second largest city in Mexico.

*Continued on page 4*

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# University warmly salutes longtime staff

By Folio staff

Their schedules don't allow much time for lingering looks in the rear view mirror, but longtime staff of the University of Alberta were able to indulge themselves last Monday afternoon.

The occasion was the annual long-service awards ceremony and reception, a time for celebration and reflection.

For a couple of hours the fast lane was replaced by memory lane as staff with careers of 25, 30 and 35 years, respectively, heard the top hit song from the year in which they started at the University. A number of slides from yesteryear were

projected and any number of mental images sprang from an address by Helen Madill (Occupational Therapy), who responded to Chancellor Lou Hyndman and Vice-President (Finance and Administration) Glenn Harris on behalf of the long-service staff.

"We were born before television, polio shots, frozen foods, xerox, plastic wrap, contact lenses, frisbees and the pill," Dr Madill said.

"We were before polyester, credit cards, laser beams, pantyhose, dishwashers, clothes dryers, electric blankets, air

conditioners, microwaved popcorn, and before humans walked on the moon. Now we have come to take most of that for granted."

We are beginning to feel the generation gap, Dr Madill said, pointing out that when she and the other people honoured came to this campus "the students were almost our age. Now we are closer to their parents' age.

"We are not baby boomers, but some of us are on the edge of that group. We are not generation X, however we definitely feel the threat of being X'd out. Although

we may be uncertain about where historians will place us, we are sure about one thing; our own identity.

"Mr Chancellor, before you today are a group of staff members who have, through their dedication, hard work, and commitment, made a significant contribution to this University. We are a group who fully recognized that the whole was greater than the sum of its parts, and we teamed together to meet that goal. We have had the privilege of working to build a University that we cared about." ■

## 25 YEARS

Walter Allegretto, *Mathematical Sciences*  
Peter Antonelli, *Mathematical Sciences*  
Stephen Arnold, *Modern Languages and Comparative Studies*  
Ronald Ayling, *English*  
Magdy Badir, *Modern Languages and Comparative Studies*  
Sheila Bertram, *Library and Information Studies*  
Thomas Brisbane, *Chemistry*  
Wytze Brouwer, *Secondary Education*  
Edward Brownie, *Biochemistry*  
Harriet Campbell, *Office of the Comptroller*  
Donald Carmichael, *Political Science*  
Clive Carter, *Physical Plant*  
Carol Cass, *Biochemistry*  
Brian Chatterton, *Earth and Atmospheric Sciences*  
Walter Cherneski, *Electrical Engineering*  
Vera Chlumecky, *Anatomy and Cell Biology*  
Bruce Clarke, *Chemistry*  
Patricia Clements, *Faculty of Arts*  
David Cook, *Pharmacology*  
Anne Marie Decore, *Educational Policy Studies*  
Dollard Desmarais, *Faculté Saint-Jean*  
Jean-Marcel Duciaume, *Modern Languages and Comparative Studies*  
James Dunn, *Marketing and Economic Analysis*  
John Ebdon, *University Library*  
Zdenek Eisenstein, *Civil Engineering*  
Gordon Elbrond, *Bookstore*  
Harry Endres, *Physical Plant*  
Douglas Engel, *Educational Psychology*  
Kenneth Fairbairn, *Geography*  
John Foster, *History and Classics*  
Andrew French, *Physiology*  
Henk Gerow, *Physical Plant Operating*  
Dhara Gill, *Rural Economy*  
Kenneth Gillingham, *Physical Plant Operating*  
Eleanor Gobin, *University Library*  
Laurent Godbout, *Faculté Saint-Jean*  
Gary Graham, *Materials Management*  
Christopher Hale, *Modern Languages and Comparative Studies*  
Dave Hawirko, *Technical Resource Group*  
Douglas Haynes, *Art and Design*  
John Hewlett, *Physics*  
Michael Hickman, *Devonian Botanic Garden*  
Ross Hodgetts, *Biological Sciences*  
John Hogan, *Linguistics*  
Charlotte Holtz, *University Library*  
John Ilott, *Secondary Education*  
William Irvine, *Technical Resource Group*  
Robert Jackson, *Elementary Education*  
David Johnson, *History and Classics*  
Walter Jones, *Physics*  
Adrian Jones, *Pediatrics*  
John Kernahan, *Physics*  
Dianne Kieren, *Human Ecology*  
Peter Kitching, *Physics*  
Loretta Klarenbach, *University Library*  
Gerdt Klingbeil, *Physical Plant*  
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Geoffrey Kulak, *Civil Engineering*  
Hans Kunzle, *Mathematical Sciences*  
David Langdon, *Modern Languages and Comparative Studies*  
Seno Laskowski, *University Library*  
Anthony Lau, *Mathematical Sciences*

Geoffrey Lester, *Geography*  
Bryan Longenecker, *Medical Microbiology and Immunology*  
Sheldon Lovell, *Civil Engineering*  
Lillian MacPherson, *University Library*  
Ramesh Madan, *Physical Plant Operating*  
Helen Madill, *Occupational Therapy*  
David Mappin, *Technology in Education*  
James Marino, *English*  
Tony Marsland, *Computing Science*  
Ronald McElhaney, *Biochemistry*  
Gordon McIntosh, *Educational Policy Studies*  
Larry McKill, *English*  
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Henry Pabst, *Pediatrics*  
Marsha Padfield, *Physical Education and Recreation*  
Vincent Paonessa, *Physical Plant*  
Guenther Paterok, *Physical Plant*  
Derek Patten, *Technical Resource Group*  
Hugh Patterson, *Physical Plant*  
Michael Pickard, *Biological Sciences*  
Charles Prat, *University Library*  
Patricia Prestwich, *History and Classics*  
Tom Priestly, *Modern Languages and Comparative Studies*  
Frederick Radford, *English*  
Raymond Rasmussen, *Organizational Analysis*  
Angelika Renville, *University Library*  
Sherman Riemenschneider, *Mathematical Sciences*  
Bernard Rochet, *Linguistics*  
Kenneth Roy, *Biological Sciences*  
Esmond Sanders, *Physiology*  
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Nico Stehr, *Sociology*  
Gerald Stemke, *Biological Sciences*  
Edith Styner, *Housing and Food Services*  
Rosalind Sydie, *Sociology*  
Jalpa Tewari, *Agriculture, Food and Nutritional Science*  
Michele Veeman, *Rural Economy*  
Terrence Veeman, *Economics*  
Dale Vitt, *Devonian Botanic Garden*  
Ronald Von Kuster, *Studies in Medical Education*  
Nada Walter, *Computing and Network Services*  
Lawrence Wang, *Biological Sciences*  
Sieghard Wanke, *Chemical Engineering*  
Kenneth Ward, *Educational Policy Studies*  
Garry Watson, *English*  
Donald Weideman, *Faculty of Extension*  
Leonard Wiebe, *Pharmacy and Pharmaceutical Sciences*



Wishing each other success in their careers are, from left, Bruce Mielke, Helen Madill, Gordon Verburg and Gary Minchau.

John Young, *Educational Policy Studies*  
David Young, *Anthropology*

## 30 YEARS

Nadhla Al-Salam, *Mathematical Sciences*  
Peter Banks, *Office of the Comptroller*  
Susanne Barton, *Physiology*  
David Cantine, *Art and Design*  
Terence Carlton, *Modern Languages and Comparative Studies*  
Murray Connors, *Technical Resource Group*  
Shirley Culic, *Elementary Education*  
Nicholas Diakiw, *Pharmacology*  
Daniel Fearon, *Modern Languages and Comparative Studies*  
Alberta Floreani, *Budget and Statistics*  
Richard Fox, *Earth and Atmospheric Sciences*  
Alexis Gibb, *University Library*  
Roy Gitzel, *Civil Engineering*  
James Hackler, *Sociology*  
Samuel Hagel, *Physical Plant Operating*  
William Hague, *Educational Psychology*  
Najib Haymour, *Building Services*  
Brian Hobbs, *University Library*  
Hubert Hofmann, *Chemistry*  
Alan Hogg, *Chemistry*  
Cheong Hoo, *Mathematical Sciences*  
Raymond Howells, *Computing and Network Services*  
James Hoyle, *Chemistry*  
David Hughes, *Physics*  
Robert James, *Electrical Engineering*  
Robert Jordan, *Chemistry*  
Anthony Keri, *Biochemistry*  
Barry Latham, *Computing and Network Services*

Peter Lea, *Technical Resource Group*  
Robert Locock, *Pharmacy and Pharmaceutical Sciences*  
Bruce McCannel, *Anatomy and Cell Biology*  
Moira McCubbin, *Occupational Health and Safety*  
John McDonald, *Physics*  
Juliet McMaster, *English*  
David Nash, *Biological Sciences*  
Charles Nunn, *Economics*  
Milton Petruk, *Educational Psychology*  
Eric Pinnington, *Physics*  
James Plambeck, *Chemistry*  
Nallamuthu Rajaratnam, *Civil Engineering*  
Sieglindie Rooney, *University Library*  
Gerald Roy, *Physics*  
James Ryan, *Chemical Engineering*  
Bernard Schwartz, *Elementary Education*  
Iris Semeniuk, *University Library*  
Roger Shiner, *Philosophy*  
Robert Sinclair, *Art and Design*  
Richard Smith, *History and Classics*  
Johan Toonen, *Chemistry*  
Lorraine Ulmer, *Materials Management*  
Ronald Urness, *Physical Education and Recreation*  
Balder Von Hohenbalken, *Economics*  
Valerie Zauscher, *University Library*

## 35 YEARS

James Campbell, *Biological Sciences*  
Zenovia Hawrysh, *Agriculture, Food and Nutritional Science*  
Bruce Mielke, *Laboratory Medicine and Pathology*  
Gary Minchau, *Agriculture, Food and Nutritional Science*  
Gordon Verburg, *Languages Laboratory*

## Fraser in Mexico

Continued from page 3

Language was never a problem because virtually everyone who received the group spoke English. Overheads and other materials used in presentations had been translated into Spanish and, as was the case with materials that had been translated into Mandarin and two Chinese dialects for the President's trip to Asia, the audience reaction was very favourable.

Twenty-six campuses from the Monterrey Technological Institute for Superior Studies (ITESM) have been sounded out on the possibility of ex-

changes and have been encouraged to think about sending students here to pursue their PhDs. Mexican academics without advanced degrees were also encouraged to study at the U of A.

Immediate results from the trip are the signing of a general agreement with ITESM and a visit to the U of A (likely in late spring) by Isaac Katz, head of Instituto Tecnológico Autónomo de México's Economics Department. In turn, Randall Morck (Finance and Management Science) will visit ITAM, and Philip

Raworth (Marketing and Economic Analysis) will visit ITESM.

Dr Stevenson, who is based at ITAM, is Visiting Imperial Oil/Royal Bank Associate Professor of International Business and Advisor, Spanish American Business Program. His term at the U of A began last summer.

Originally from Victoria, he studied at UVic and at Queen's.

He went to Mexico five years ago and was subsequently offered the assignment of establishing a Canadian studies program at ITAM. He's written and talked

about Canada a great deal and says the opportunity to talk to fellow Canadians about Mexico is a "good and interesting role for me."

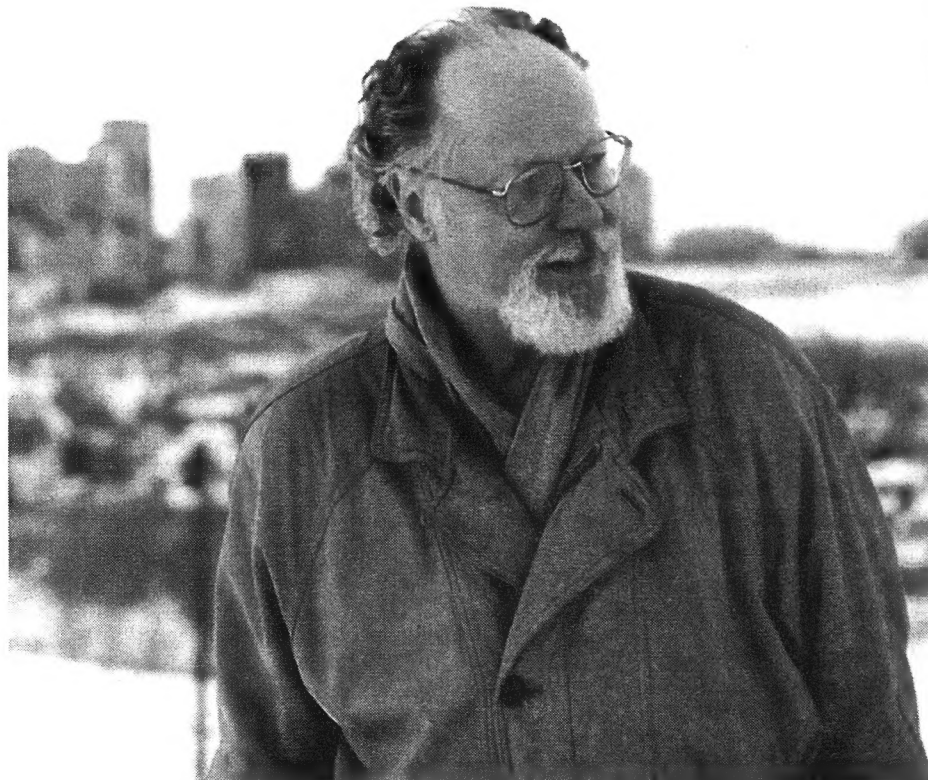
As a visiting professor his interests are three-fold: teaching (the business scene in Latin America, NAFTA), research (relations between Canada and Latin America), and making contacts that could precipitate student exchanges and more research projects in Latin America. ■



# Two-time JUNO recipient, Malcolm Forsyth, named Composer-in-Residence

**Sports many hats: teacher, researcher, performer, conductor and composer**

By Michael Robb



Composer-in-residence Malcolm Forsyth has been a musical force in Edmonton for more than two decades.

One of Canada's most outstanding composers has been named the University of Alberta's Composer-in-Residence.

Malcolm Forsyth, a two-time recipient of the JUNO award, will now devote his time almost exclusively to composing and supervising a select group of graduate students.

"This is the first time this kind of appointment has been made at a Canadian university," says Music Department Chair Fordyce Pier. "The Canadian music community and students will benefit enormously."

"It's wonderful timing," adds Dr Forsyth, who was contemplating retirement in order to devote more time to writing music. "It's the kind of enlightened approach people only dream about."

Dr Forsyth was awarded a JUNO for best classical composition last year for

*Sketches from Natal*. He was named Canadian Composer of the Year in 1989 and two years earlier won his first JUNO for best classical composition for his *Suite for Orchestra, Atayoskewin*.

Dr Forsyth has taught at this University since 1968, first teaching trombone, theory and composition, and more recently conducting the St. Cecilia and University Symphony Orchestra. He was a member of the Edmonton Symphony for 11 years, three as bass trombone and eight as principal.

He has earned an international reputation as a composer. "In 1980, I really began to feel I had turned a corner and had become a mature composer. I've written music at a furious pace ever since, and I'm beginning to reap some of the benefits of my hard work," he explains. However, he acknowledges living in Edmonton has had its drawbacks. "I've sometimes felt iso-

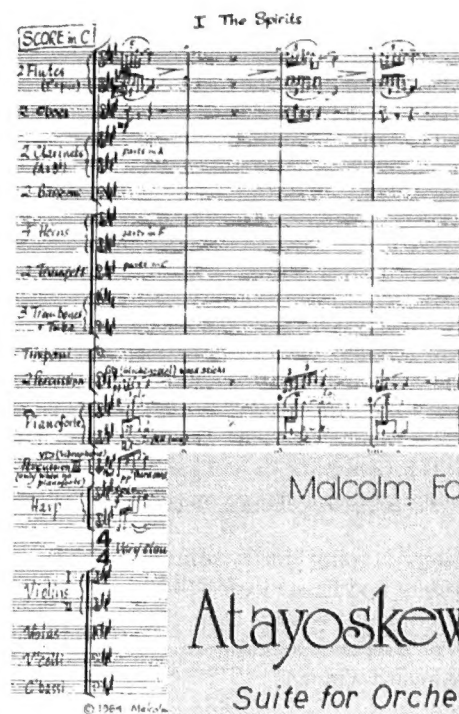
lated ... and it's taken longer for my work to be recognized internationally."

In 1988, he signed a contract with Italian publishing giant, BMG Ricordi, and, as a result, European interest in his work has grown steadily. He has been commissioned by Maureen Forrester, the Canadian Brass, Judith Forst, Helmut Brauss, the Bläserensemble Mainz and the Symphony Orchestras of Montreal, Edmonton, Cape Town and the Natal Philharmonic. He has written more than 100 works, including three symphonies, eight orchestral pieces, 10 for soloist(s) and orchestra, four for band, 47 for chamber groups, 10 vocal works and two for piano solo.

His cantata "Evangeline", based on the epic Longfellow poem, was first performed in Winnipeg in 1994, and in 1995 the premiere of his "Electra Rising: Concerto for Violoncello and Chamber Orchestra" took place in Calgary, with his daughter, Amanda Forsyth, as soloist.

"I don't see myself changing course, but I like to challenge myself and deliberately steer myself off-course and dig myself out of the ruts I think I might be digging myself into," he says. "I detest complacency. I try to understand that which I do not understand by trying to write it, trying to understand it from within. Composing is painful ... it's supposed to be. I make depressing company when I'm really struggling, but I don't think anything artistic comes out of churning the old sausage machine and producing more of the same shaped sausages. It makes good sausages, but it doesn't make good music."

The self-described "general practitioner" of music laments the increasing emphasis on specialization. "We're all so specialized that we can't talk to one another about music, so we talk about hockey." Broadly based musical education is under attack, says Dr Forsyth, who for many years played an integral role in the department teaching those basic skills.



"Increasing numbers of musicians lack good, solid music-reading skills, and are unable to perform simple musical tasks, other than those directly related to their instrument. In musical terms, they're unable to think on their feet. And this is happening at a time when musicians are not going to be able to spend their entire lives simply playing their own instruments. They're going to have to do a variety of musical tasks. There are very few jobs out there for people who can only perform one musical task."

He wants the role of the Western Board of Music and Toronto Conservatory of Music to be strengthened. "However imperfect the job they were doing was, at least they were doing it." ■

## Faculty of Education to study disruptive behaviour in schools

**Better learning environment aim of tri-university project**

By Sandra Halme

Looking at one of the ways a student's ability to learn is hindered has led the Faculty of Education, along with its counterparts at The University of Calgary and the University of Lethbridge, to address the growing problem of violence and disruptive behaviour in schools.

The "Tri-Faculty Project on Understanding and Dealing with Serious Learning Disruptive Behaviour (SLDB) and Violence in Alberta Schools" (elementary and secondary) is a three-year collaborative effort. Funding of \$50,000 for 1995-96 was provided by Alberta Education, with the potential for an additional \$50,000 in each of the second and third years. Matching funding will be sought from other sources.

According to Tom Kieren, the Faculty's Associate Dean (Research), a number of social and cultural factors have made serious learning disruptive and violent behaviour increasingly common in schools. "Educators and administrators often find themselves inadequately prepared to handle such problems," says Dr Kieren, "while parents and children threatened by violence feel frustrated and helpless."

Education's role will be to act as research leaders and participants in the vari-

ous aspects of the study. Dr Kieren says that about 15 researchers in the Faculty are involved. In one part of the project, teams of researchers across the province will ask teachers, students, principals and counsellors to document and describe disruptive incidents, how they were handled and the results. Similar groups will be surveyed on effective teaching, management practices and policies to prevent or deal with disruptive behaviour.

**The advantage of the tri-faculty arrangement is that researchers are within close proximity of the schools they are researching.**

Dr Tom Kieren

Another part of the project involves interviewing offenders, witnesses, victims and others in order to understand the impacts of serious learning disruptive behaviour as well as its historical, social and cultural dimensions. Teams of researchers will study the results of these investiga-

tions in order to determine statements of policy possibilities and their implications. Results of the research will be shared at a series of summer institutes.

Dr Kieren points out that the advantage of the tri-faculty arrangement is that researchers are within close proximity of the schools they are researching. "We are hopeful that the short physical distance will increase collaboration with teachers in the schools and ultimately lead to better research."

Although serious violence such as stabbings is rare in Alberta schools, a study done in six junior high schools showed a large percentage of students had experienced some act of violence such as bullying or petty theft.

The project's goals include: clarifying the nature and extent of the problem in the province; preparing case reports and studies that will present the many perspectives needed to understand and deal with disruptive and violent behaviour; and, creating an electronic communications network to disseminate information on the project and report incidents of serious learning disruptive behaviour. ■



Violet Archer, Professor Emerita of Music

## Reception in honour of Violet Archer

An informal reception in honour of Violet Archer will be held Wednesday, 14 February, at 3:30 pm in the Fine Arts Building Lounge.

*Voices of Women: Essays in Honour of Violet Archer* has recently been published by the Canadian University Music Society.

The book was prepared by an editorial group which included Professor Regula Qureshi, Music Librarian James Whittle, sessional instructor Brenda Dale and graduate student Kenneth Chen. ■



# 'Spotlight on Achievement' in Faculty of Medicine

**Faculty celebrates accomplishments of 33 award-winners**

By Folio staff

The Faculty of Medicine has a right to be proud! In the past two years, two Faculty members have been inducted into the Order of Canada, and another 29 have been recognized for a variety of outstanding accomplishments. The Faculty held a celebration 8 February, called "Spotlight on Achievement", to pay tribute to 31 Faculty members, one graduate student and one undergraduate student. The Faculty members honoured were those who had earned external awards for research, external or University awards for teaching, or had gained recognition for other major accomplishments.

Minister of Health Shirley McClellan and President Rod Fraser joined Dean Lorne Tyrrell and Associate Dean (Research) Joel Weiner in the program to honour these award winners:

## GROUP I

### Dr John Colter

ASTech Award for Outstanding Contribution to the Alberta Science and Technology Community 1995

### Dr John Dossetor

Order of Canada 1995

### Dr J Alan Gilbert

Royal College of Physicians and Surgeons Award for Distinguished Service 1995

Canadian Association of Gastroenterology Award for Distinguished Service 1995

### Dr Robert Hodges

Canadian Society of Biochemistry and Molecular Biology Boehringer Mannheim Award 1995; MRC Distinguished Scientist 1995; ASTech Award for Outstanding Leadership in Alberta Science 1995

### Dr Cyril Kay

Order of Canada 1995

### Dr Tim Mosmann

German Society for Immunology Avery Landsteiner Prize 1994; Fellow of the Royal Society of Canada 1995

### Dr Susan Rosenberg

Eli Lilly/National Cancer Institute William E. Rawls Prize 1995

### Dr Robert Ryan

Canadian Society of Biochemistry and Molecular Biology Merck Frosst Prize 1995

### Dr Diane Taylor

Canadian Society of Microbiologists Boehringer Mannheim Award 1995

### Dr Dennis Vance

Heinrich Wieland Prize 1995

## GROUP II

### Dr Luis Agellon

CLC Bristol Myers Squibb New Investigator Award 1995

### Dr David Brindley

Fournier Pharma-CLC Award in Atherosclerosis Research Communication 1995

### Dr Gerald Buzzell

Teacher of the Year Award 1995

### Dr Bill Colmers

Eli Lilly Pharmacology Grantee Award 1994

### Dr David Cook

Teacher of the Year Award 1994

### Dr Ian Ferguson

Teacher of the Year Award 1995

### Dr Diane Finegood

Canadian Diabetes Association Young Scientist Award 1995

### Dr Charles FB Holmes

International Congress of Natural Product Research Young Investigator Award 1994

### Dr Steve Hruday

Emerald Award for Environmental Excellence 1995

### Dr Norman Kneteman

James IV Association of Surgeons Inc. Travelling Fellow from Canada 1994

### Dr Giles Lauzon

Teacher of the Year Award 1994

### Prof Patricia Letendre

Canadian Society for Transfusion Medicine (CSTM) Ortho Award in Transfusion Medicine 1995

### Dr Gordon Lees

Shandro Award in Surgery 1995

### Dr Grant MacLean

Teacher of the Year Award 1995

### Dr Bruce Mielke

Teacher of the Year Award 1995

### Dr Keith Pearse

Teacher of the Year Award 1994

### Dr Ray Rajotte

Boehringer Mannheim Corporation Scientific Advisor Award 1994

### Dr Melville Schachter

Frey - Werle Commemorative Medal 1995

### Dr Robert Stinson

Canadian Society of Clinical Chemists Award for Education Excellence 1995

### Dr Anil Walji

Teacher of the Year Award 1994

### Dr Walter Yakimets

Shandro Award in Surgery 1994

### Reuben Harris (graduate student)

AHFMR Lionel E. McLeod Health Research Scholarship 1995

### James Wiedrick (undergraduate student)

Magna for Canada Scholarship Award 1995

## Medicine's Visiting Committee tackles tough issues

**Public input into health education sought**

By Judy Goldsand

The Capital Health Authority's Directional Plan and its impact on the Faculty of Medicine is a discussion topic at the Faculty's third Visiting Committee Program, 8 and 9 February.

"Obtaining the views of community leaders on Faculty issues of concern is very valuable for us in planning," says Dean Lorne Tyrrell.

The Visiting Committee Program is aimed at strengthening communication between the University and the public. Spending an entire day in the Faculty, Visiting Committee members gain an understanding of a Faculty's programs and some issues of concern. In return, the University gains public input and informed advocates who can talk about the University in many sectors of the community.

The 1996 Visiting Committee is co-chaired by Dr Ruth Collins-Nakai, Associate Dean (Faculty Affairs) and Ronald Odynski, QC, managing partner with Ogilvie and Company.

Members include: Dr Brian Barge, president and CEO, Alberta Research Council; Tom Biggs, trustee, Alberta Heritage Foundation for Medical Research; Mac Bourassa, vice-president, PCL Constructors Inc; Susan Burghardt, Edmonton Public School Board; John Butler, QC, barrister and solicitor; Donald Carley, CEO, Lakeland Regional Health Authority; Gary Cavenough, chair, Westview Regional Health Authority; Murdoch Davis, editor-in-chief, *The Edmonton Journal*; Margaret Donnelly, judge of the Provincial Court; Dennis Erker, partner, Fairley, Erker Estate Planning Associates Ltd; Burn Evans, chair of the Faculty's parent-spousal committee; Ric Forest, president, Forest Construction; William Henning, QC, Henning, Byrne, Whitmore and McFall; David Hewitt, chair, Edmonton Social Planning Council; Jim Hole, president, Lockerbie and Hole Contracting Ltd; Al Hyndman, Syncrude Canada; Claire Ingles, director of health industry marketing, AGT Ltd; Dennis

Killian, AGT Ltd; Vivian Manasc, FSC Groves, Hodson, Manasc Architects Ltd; Lorraine Mansbridge, news reporter and host, ITV; Campbell Miller, chair, Capital Health Authority; Margaret Mrazek, lawyer, Reynolds, Mirth Richards & Farmer; Al Otterdahl, president, Edmonton Council for Advanced Technology; Larry Phillips, Consumers' Association of Canada (Alberta); Penny Reeves, U of A Board of Governors; Hank Reid, president, Churchill Corporation; Janet Riopel, chair, Edmonton Chamber of Commerce; Jim Stevens, Alberta Pacific Forest Industries; and Mabs Yusuf, University Scholarships of Canada. ■

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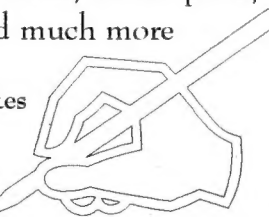
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# Albertans express positive assessment of research conducted at U of A

## Public perceptions survey reveals concerns about accessibility

By Michael Robb

A former New York mayor used to ask residents, "How am I doing?" Taking a page from his book, the Population Research Laboratory recently asked a similar question of Albertans: "How's the U of A doing?"

It turns out Albertans are saying much the same thing New Yorkers said about their former mayor: "You're doing a pretty good job! Yes, we have a few beefs, but on the whole, we appreciate the work you're doing."

"In general, Albertans are very positive about the quality of education provided by the University of Alberta," states the study, conducted by Sociology Professor Harvey Krahn, graduate student Marianne Sorensen and research analyst Dave Odynak. "Two-thirds or more of the total sample agreed that students at the University of Alberta receive a 'high quality education', and that a U of A degree improves one's chances of getting a 'good job' and into 'rewarding, long-term careers'."

Almost two-thirds agreed that university graduates have a broader range of knowledge and "have learned how to learn," compared to their counterparts in the community colleges and technical institutes.

"I was delighted at the positive response the survey revealed," says Dean of Arts Patricia Clements. "The University of Alberta has clearly grown in the public esteem. But I'm not at all surprised to see the study confirm that the University has positive and enthusiastic supporters in the community."

Dean of Science Dick Peter says some five or ten years ago the U of A was rightfully perceived as being insular. "The ivory tower image was true. This has changed. The U of A has gone out to business, industry and government to develop linkages."

Positive assessments of the University's research activity emerged from the study. Roughly two-thirds of the respondents agreed that most U of A researchers conduct "high quality research", that this research "has real practical value", and that it "has economic payoffs for the province." Similar proportions recommended keeping the current balance between research and teaching, the study's authors pointed out.

"The survey indicates that the public has a good basic understanding about research at the University of Alberta," says Martha Piper, Vice-President (Research and External Affairs). "I found the data encouraging, and believe they indicate that the impact of the University's 'Research Makes Sense' message is widespread."

Dr Piper says that the survey provides some indications as to "which areas we need to improve when taking our message out to the public, and we will keep these in mind when planning our future initiatives."

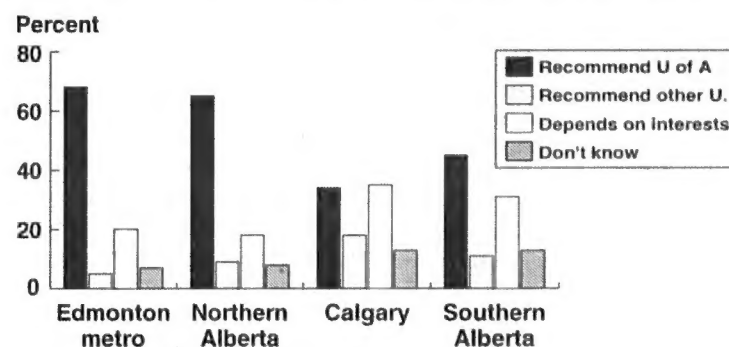
"The survey provides us with a helpful and encouraging baseline measurement about the public's understanding and appreciation of University research, information which can be used to compare the impact of our performance in the future."

"It's especially gratifying to see that the public appreciates the role of research in the community," says Dean Clements.

Dr Peter says the public perception that the U of A provides exciting and high quality research is bang on. "The perception is bang on that we are about high quality research that in many cases has real practical value and an economic impact in the province."

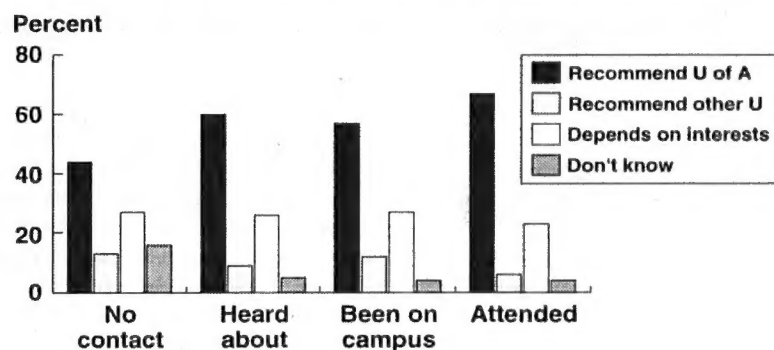
Continued on page 10

Figure 4A  
Recommend the University of Alberta\* by Area of Residence



\* Respondents were asked "if someone was trying to decide what university to attend, would you recommend the University of Alberta or recommend that they go to another university?" Some volunteered a third answer ("it would depend on their interests")

Figure 4B  
Recommend the University of Alberta\* by Contact with the University



\*See Figure 4A

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Office of the Vice-President (Finance & Administration)

Time: 10:30 to Noon  
Date: February 21, 1996  
Place: Map Room, Lister Hall

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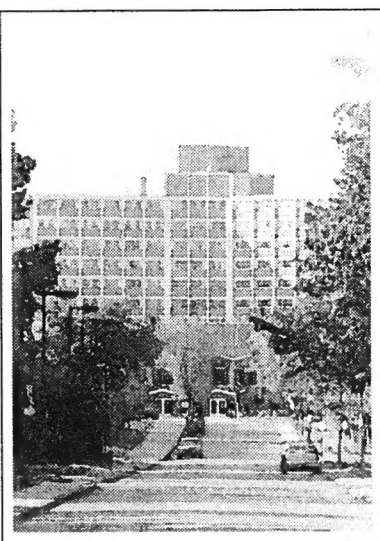
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# Boom! Another innocent victim loses her leg

## Mechanical engineering students designing mechanisms to detect land mines

By Michael Robb

When they were told recently that some engineers devote a great deal of time designing land mines and that companies spend a great deal of money manufacturing the lethal devices, Mechanical Engineering 460 students were horrified. Like most Canadians, they reacted with disgust.

The fact is, about 300 different types of land mines are manufactured in about 40 countries. Well over 100 million mines lie buried in the soils of more than 60 countries. And each month, 2,000 people are maimed and killed when they inadvertently step on these deadly devices.

The costs are staggering. Farm land in countries such as Cambodia, Afghanistan and Vietnam lies dormant until it can be painstakingly cleared of land mines. And people who have lost limbs spend months recuperating in hospitals, condemned to live the rest of their lives as amputees.

It's not a problem Canadians have to face—but it is a problem Canadians can help solve.

This year, the Mechanical Engineering 460 students have been given the task of developing a mechanical means of detecting land mines. Officials at the Defence Research Establishment at Suffield asked Mechanical Engineering Professor Doug Dale to consider taking the project on.

"My first response was 'no,'" says Dr Dale's colleague, Ken Fyfe, one of the class project coordinators of the senior design project. "I didn't want to endorse anything that would benefit the military, but then I began to read about the extent of the problem. I always considered it a 'military problem, over there somewhere'. I had no idea it was such a widespread problem, affecting so many people."

In fact, it also affects the Canadian military. In Bosnia alone, the military has lost 40 vehicles to land mines, says Stephen Murray,

head of the threat assessment group in Suffield. And land mines are a problem in the 11 sites around the world where the Canadian military is deployed, he adds.

The 120 students, working in groups of four, have been asked to develop novel or improved mechanically based detection methods. The most commonly used method of detecting land mines involves the use of a metal rod, prodded into the soil. It's a slow, tedious and dangerous method. The methods developed by the students cannot be based on metal detection, since the mines contain very little metal. The students have been told that they can develop any method as long as it can be analyzed and supported with detailed modelled calculations.

The students and engineering professors are under no illusions, however. "We know that worldwide millions of dollars are spent on this [trying to develop effective mine detectors], but many of the peo-

ple working on the problem are conditioned to think a certain way," says Dr Fyfe. The engineering students may be able to provide some fresh and innovative thinking. If they come up with potentially good ideas, there is a possibility that they may be developed more extensively.

The military is providing \$30,000 for the best team to develop their project over the summer. It will then be demonstrated. As well, other project ideas may be explored by the Department of National Defence, says Murray.

The project's timing is purely coincidental with events unfolding around the world. A few weeks ago, three British NATO troops in Bosnia were killed by a land mine. Canada has joined with a growing number of countries such as Turkey, Switzerland, Austria and Belgium, calling for a moratorium on the use, production and export of anti-personnel land mines. ■

# Peer consultants put strategies on the table

## Confer with President on ways of improving teaching and learning climate

By Ron Thomas

Peer consultants would like the University of Alberta to put a gleam on the teaching side of the coin that equals that on the research side.

At an end-of-January meeting with President Rod Fraser, the consultants, who, upon request, work with other teachers to improve those teachers' techniques, said teaching is undervalued on campus in comparison with research.

They expressed the view that scholarship and research blend together but that teaching seems to be all by itself and needs to be more closely aligned with scholarship.

In a brief entitled "The Promotion of Teaching and Learning at the University of Alberta", the peer consultants say the general objectives are: 1) To strengthen the importance of teaching and learning to the scholarly community of students and faculty and 2) To promote throughout the University a climate that will effectively foster teaching development, teaching improvement, and teaching excellence

among faculty, so as to enhance the learning experience of students.

Strategies pertaining to new faculty, established faculty and administrative leadership are contained in the brief, but if these are to be successful a senior administrative position responsible for teaching and learning must be created, the peer consultants say.

"The appointment should be vice-president (teaching and learning). The responsibilities would include, for instance, the development of policies relevant to the teaching and learning mission of the university and the promotion of teaching and learning in all its aspects (innovations, development, improvement, excellence, means of evaluation, teaching research and resources, etc)."

In view of the appointment of many new faculty members over the next few years, the peer consultants recommend that the selection and appointment procedures contain policies on teaching performance and potential. To promote pro-

grams in support of teaching development in the early stages of an academic career, the group would like to see:

- an orientation program and follow-up program;
- a mentor program;
- a lighter teaching load for the first year or more;
- a teaching dossier; and,
- nurturing and reinforcing teaching improvement in multifaceted ways, for example, peer consultation, mentor program, teaching cells, University Teaching Services workshops, and student course evaluations.

Furthermore, the peer consultants recommend that there be the expectation that all new faculty members, as well as (first time) sessional appointees, attend the orientation for new instructors. "This," the consultants say, "will minimally instill the idea that teaching does matter; that there are ways to teach effectively; and that we have resources which can be of help. Perhaps, such an expectation could be made part of the employment contract."

The teaching dossier is an experiment worth trying, Dr Fraser said. It would have to come up from the floor of Faculty

Councils to be successful, said peer consultant Mick Price (Agriculture, Food and Nutritional Science).

In the section on established faculty, the peer consultants recommend:

- broadening the scope of the Teaching Research Fund and of sabbatical leaves to include projects whose goals are to affect development and improvement in teaching and learning;
- bringing together, periodically, the 3M Fellows, Rutherford Teaching Award winners, and other teaching award winners to celebrate their accomplishments and to solicit innovative ideas;
- an annual University-wide teaching innovation week (instructors could participate on a voluntary basis); and,
- the establishment of endowed chairs on the basis of excellence in teaching and for the purpose of promoting excellence in teaching (appointments would be for a limited term).

One certainty that emerged was that Dr Fraser would add visits to classrooms to his schedule of visits to research labs. ■

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ACFAS-Alberta  
a/s Frank McMahon  
465-8724

Nom: \_\_\_\_\_

Département: \_\_\_\_\_

Étudiant: \_\_\_\_\_ Personnel académique: \_\_\_\_\_

Personnel non-académique: \_\_\_\_\_

Faites parvenir ce formulaire par courrier interne à:

ACFAS-Alberta, a/s Sylvie Gosselin  
Faculté Saint-Jean, University of Alberta  
ou par courrier électronique à: [fcmahon@gpu.srv.ualberta.ca](mailto:fcmahon@gpu.srv.ualberta.ca)



## Stress, anxiety and panic: recognizing the difference

By Terry Davis

Stress is an interesting word. It combines, in one term, the external stressor, such as joblessness, death of a relative, or a move, and the host or individual's response to that stressor. Recent publicity on student stress has emphasized the former. For example, on 11 January, *The Edmonton Journal* carried a front page article citing finances, grades, and career options as the stressors of greatest concern to undergraduates at the U of A. The article also noted that while male and female students were equally concerned about finances and careers, males were more worried about suicide, loneliness, controlling drinking, peer pressure to drink, clarifying their sexual orientation, and relating to faculty. Female students were reportedly more worried than males about their self-esteem and being sexually assaulted or getting AIDS.

As important as the nature of the stressors affecting our undergraduate (and graduate) students, it seems to me, is how the students are responding to these stressors. Are they coping and "managing", in some sense, with the stressful events, happenings, and circumstances in their lives? Or, are they at a breaking point and in need of assistance from a mental health professional?

One way of determining if a student you are concerned about is at a breaking point is to use the following two checklists. If the student answers yes to most of the questions on either checklist, then chances are he/she has moved across the line from coping and managing his/her trials and tribulations to experiencing the onset of an anxiety disorder.

### CHECKLIST #1: IS YOUR STUDENT EXPERIENCING PANIC ATTACKS?

- 1) Does the student experience sudden episodes of intense and overwhelming fear that seem to come on for no apparent reason? Yes \_\_\_ No \_\_\_
- 2) During these episodes, does the student also experience several of the following symptoms?

- Racing, pounding, or skipping heart
- Chest pain, pressure, or discomfort
- Difficulty catching his/her breath
- Choking sensation or lump in his/her throat
- Excessive sweating
- Lightheadedness or dizziness
- Nausea or stomach problems
- Tingling or numbness in parts of his/her body
- Chills or hot flashes
- Shaking or trembling
- Feelings of unreality, or being detached from his/her body?

- 3) During these episodes, does the student have the urge to flee, or the feeling that he/she needs to escape?
- 4) During these episodes, does the student think something terrible might happen—that he/she might die, have a heart attack, suffocate, lose control, or embarrass himself/herself?
- 5) Does the student worry a lot about these episodes or fear they will happen again?
- 6) Does this fear cause the student to avoid places or situations that he/she thinks might have triggered the attack?

If your student answers YES to most of these questions, chances are he/she is suffering from panic disorder.

### CHECKLIST #2: IS YOUR STUDENT EXPERIENCING EXCESSIVE WORRY AND CONCERNS?

- 1) Does the student worry excessively about a number of events or activities (such as finances or school performance) more days than not?
  - 2) Does the student find it difficult to control the worry?
  - 3) Does the student experience three or more of the following symptoms more days than not?
- restlessness or feeling keyed up and on edge

- being easily fatigued
- difficulty concentrating or mind going blank
- irritability
- muscle tension
- sleep disturbance.

If your student answers YES to the above questions, chances are he/she is suffering from generalized anxiety disorder.

The good news is that panic disorder and generalized anxiety disorder are highly treatable conditions. With the right "package" of clinical interventions students in a state of panic or excessive worry and concern can be helped to feel better and regain their lives. The bad news is if students suffering from these disorders are unrecognized and untreated, many will go on to become severely depressed; or they may try unsuccessfully, to numb their symptoms of anxiety and depression with alcohol and other drugs. Many will even begin to have thoughts about suicide.

Since these anxiety disorders can mimic a variety of medical conditions, such as heart problems or digestive complaints, the first thing the student sufferer should do is have a full medical evaluation. Once the student has been properly evaluated, the student's doctor, in consultation with a specially trained health professional, can help the student determine which treatment option is best for the student. ■

Terry Davis is a professor in the Faculty of Nursing specializing in the assessment and cognitive-behavioural treatment of anxiety disorders.

## Author of *The Chalice and the Blade* coming to town

Riane Eisler will give talk, 28 February, at the Hilton

The author of *The Chalice and the Blade: Our History, Our Future*, will give a public lecture, 28 February, 7:30 pm, at the Hilton Hotel.

Riane Eisler will also autograph her new book, *Sacred Pleasure: Sex, Myth and the politics of the body*. A reception will follow. Tickets are \$20 and \$10 for students.

*The Chalice* was hailed by Princeton University anthropologist Ashley Montagu as the most important book since Darwin's *Origin of Species*. Isabel Allende called it one of those magnificent key books that can transform us and initiate fundamental changes in the world.

Eisler studies Western cultural evolution, incorporating scholarship from history, anthropology, biology, sociology and other disciplines.

The visit is jointly sponsored by the province's two major universities and several off-campus organizations. ■



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## Organizational Development

Let's Talk About...

### REORGANIZING vs. CHOPPING:

Doing it Right, or

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"Reorganizing" and "chopping" have often been used as synonyms. Actually, they are two very different strategies. Gardeners know that pruning to ensure continuous, healthy growth is a different exercise than chopping a branch to get it out of the way. Either one can be the right exercise, depending on the objective. Let's consider some of the factors...

- working with a limited budget
- being too lean already
- understanding what's valued and what's not
- determining what must change
- analyzing talent and resources
- what support is available

Presenter: Roger Dugas, Organizational Development  
Office of the Vice-President (Finance & Administration)

Time: 10:30 to Noon  
Date: February 15, 1996  
Place: Map Room, Lister Hall

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# New economic orthodoxy within Canadians' grasp

**Judith Maxwell suggests Canada on the polarization track—but there are glimmers of hope**

By Michael Robb

Canada faces two possible scenarios: polarization or resiliency. One leads to gated communities, lower social spending, higher public security costs and the destruction of social capital. The other leads to a society dedicated to enhancing the capacity of its citizens and institutions to adapt to change, redefining the roles of citizens, employers and the state, and building social capital.



Economist and social commentator Judith Maxwell

makes it easy to sustain social capital. Canadians' confidence in the social safety net and trust in government to run efficiently has been shaken in recent times. "We've been eroding our social capital."

To combat that erosion, Dr Maxwell outlined the cornerstones of a resilient society. Such a society values learning in the home and the workplace, the caring role of the family, protects and nurtures social capital, develops supportive

public policy and tracks its success on the basis of outcomes, not on the amount of money it spends in areas.

Some good ideas are emerging in public policy, for example, in British Columbia and New Brunswick. Nonprofit agencies are developing exemplary models that will enhance civil society. And one corporation, she pointed out, announced that it would give money to universities for scholarships and not for bricks and mortar.

Watch the developments over the next few years in the areas of postsecondary education, early childhood education, youth crime and the development of a nonprofit sector, she advised her listeners. "The real challenge for us as a society is whether we can actually do deficit reduction and reallocate what are relatively modest sums of money from the huge amounts we spend on health and education, in order to begin to invest in another generation, on whom our future economic success depends.

"There's a new convergence of values, needs and analytics that puts a new orthodoxy within our grasp, but it's not yet at the forefront."

It's fair to say that Canada is on the polarization track, although there are glimmers of hope, says Judith Maxwell, one of the country's most prominent economists, a Fellow at the Institute of Policy Studies at Queen's University, former chair of the Economic Council of Canada and president of the Canadian Policy Research Networks.

The country has made huge changes in its economic policies, but remarkably little attention has been paid to the implications for social policy, Dr Maxwell told an audience of professors and off-campus policy makers and business leaders. Dr Maxwell delivered the annual Eric J Hanson Memorial Lecture.

"We just assumed that the old safety net would do," she said, arguing that the levels of poverty in Canada are deepening and the gap between rich and poor is widening. At the same time, Canadians are insisting that economic and social issues are inter-connected.

Canada still has a lot of social capital—a sense of shared values, common enterprise, a sense of membership in a community, trust and reciprocity—but Canada doesn't have the historical, cultural or religious background which

## Public Perceptions

Continued from page 7

Albertans seem to be aware of that enormous economic and cultural impact the U of A has on the city and province. About two-thirds agreed the U of A contributes substantially to Edmonton's economy, and an even higher proportion felt that the University's cultural activities add to the quality of life in the city.

The survey confirmed what Board of Governors and Senate members have been hearing for some time: Albertans have some concerns about accessibility. About two-thirds of the respondents agreed that many people cannot afford to attend the U of A. And about half believed high entrance requirements keep out many prospective students. Almost 60 percent suggested the current balance between government and student contributions for university education should be maintained.

Despite the large minority of respondents who responded negatively to general questions about accessibility, roughly two-thirds answered positively when asked more direct questions about whether "ordinary people" can take classes or obtain "information and advice" from the University.

According to the study's authors, these results suggest that that commitment to the negative stereotype about the University as an elitist, bureaucratic and impersonal institution may not be all that strong, and additional public relations efforts to counter this stereotype might be very useful.

"It's great to see that the perception is that the U of A is a place where you can come to take a noncredit course of interest or a place where you can go to get advice," says the Dean of Science.

Almost half of the respondents agreed that most U of A professors were good teachers. Very few disagreed, but a considerable number said they didn't know. About one in four stated the quality of teaching is declining at the University and professors care more about their research than about teaching. "While fairly common, these less-than-positive perceptions are less prevalent than we are sometimes led to believe," the study's authors said.

More generally, people expressed a willingness to recommend the U of A to others. For example, 54 percent said they would recommend the U of A; 68 percent of those in Edmonton said they would do likewise; and, in Calgary, roughly a third said they would also recommend the U of A.

The study was commissioned by the Office of Public Affairs in an effort to determine more clearly the knowledge about and image of the University of Alberta held by the public. The Population Research Laboratory completed telephone interviews with 906 randomly selected Albertans age 18 and older in May 1995.

The response rate was 70 percent; findings are accurate within plus or minus three percent, 19 times out of 20.



Michael Robb

## FABULOUS FURNITURE AT FAB

It's back. The medium density fibre board show at FAB Gallery is always a big draw. This year the focus is on designing furniture used for display and/or storage in retail settings. Along with the pieces produced by the Industrial Design program students, selected works by Professor Bruce Bentz are also being shown. The exhibition runs until 16 February.

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## READING WEEK

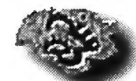


## Academic Technologies for Learning (ATL)

(formerly Alternative Delivery Initiative) invites Faculty and Graduate Students to an Open House and a series of mini-workshops during Reading Week. This winter week has a tradition of being a time for skiing, regenerating and reflecting. But, skiing and other outdoor activities are **COLD** - thus, the Open House allows faculty to enjoy some virtual skiing and other learning and social activities - without leaving the **WARM** confines of the University!



The two days of activities are designed to expose faculty to educational technologies for teaching and learning. The sessions are mostly "hands-on" and will provide an opportunity for faculty to work with the technologies as they discover which can be useful to enhance learning in their classes and when to apply them.



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## AGRICULTURAL, FOOD AND NUTRITIONAL SCIENCE

29 February, 3 pm  
Jocelyn Ozga, "The Dance of Two Hormones in Pea Fruit Development." 1-06 Agriculture-Forestry Centre.

## ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

15 February, noon  
Paul Herman, postdoctoral fellow, Department of Molecular and Cell Biology, University of California, Berkeley, "Cell Cycle Control: The Regulation of Entry into and Exit from Go Resting States." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.  
22 February, noon  
Karie Scrogin, research associate, Department of Psychology, University of Iowa, Iowa City, "Central Serotonergic Influences on Volume Homeostasis." Presented by Anatomy and Cell Biology. 207 Heritage Medical Research Centre.

## ANTHROPOLOGY

16 February, 3 pm  
Andrea Molnar, "Creating the Ancestors: Ritual and Classification Among the Hoge Sara of West Central Flores (Eastern Indonesia)." 14-28 Tory Building.

## BIOLOGICAL SCIENCES

### ANIMAL PHYSIOLOGY AND CELL BIOLOGY

13 February, 12:30 pm  
Ken Lukowiak, Department of Medical Physiology, University of Calgary, "Operant Conditioning of *Lymnaea stagnalis*." G-114 Biological Sciences Centre.  
27 February, 12:30 pm  
Cheryl Murphy, "Reproductive Communication in the Round Goby: Identifying Potential Steroidal Sex Pheromones." G-114 Biological Sciences Centre.

### AQUATIC ECOLOGY

15 February, 12:30 pm  
Garry Scrimgeour, "Spatial Patterns in Nutrient Limitation in a Northern River Ecosystem." M-141 Biological Sciences Centre.  
29 February, 12:30 pm  
Rick Lowell, National Hydrology Research Institute, "Short and Long Term Responses of Benthic River Invertebrates to Pulp Mill Effluent." M-141 Biological Sciences Centre.

### BIOLOGICAL SCIENCES DEPARTMENT SEMINARS

9 February, 4 pm  
Thomas N Taylor, University of Kansas, Lawrence, Kansas, "The Biology and Evolution of Fossil Fungi." M-145 Biological Sciences Centre.

### ECOLOGY

9 February, noon  
Stan Boutin, "The NCE for Sustainable Forestry." G-208 Biological Sciences Centre.  
16 February, noon  
Iika Bauer, "Ranges of Three East African Equids in Relation to Environmental Parameters." G-208 Biological Sciences Centre.

### ENTOMOLOGY

15 February, 4 pm  
Paul Schouten, "Munching Mayflies; Grabbing Food, Tarsi Over Coxae. The Feeding Behaviour of *Ametropus neaver* (Ametropodidae)." TB-W1 Tory Breezeway.

## SYSTEMATICS AND EVOLUTION SEMINARS

16 February, 4 pm  
Harold Bryant, Provincial Museum of Alberta, "Functional Morphology and Systematics of Sabretooth Cats." M-145 Biological Sciences Centre.

## CANADIAN INSTITUTE OF UKRAINIAN STUDIES

15 February, 3:30 pm  
Myroslav Shkandrij, professor, German and Slavic Studies, University of Manitoba, "Medievalizing the Modern: Mykhailo Boichuk's School of Monumental Art, 1908-1936. Problems of Assessment." 352 Athabasca Hall.

## CENTRE FOR GERONTOLOGY

26 February, 7:30 pm  
Sandy O'Brien Cousins, "Lay Beliefs About Exercise Among Older Adults: A Qualitative Study." 2-50 University Extension Centre.

## COMPUTING SCIENCE

12 February, 3:30 pm  
Richard B Bunt, Department of Computer Science, University of Saskatchewan, "Cache Management in Distributed File Systems." 112 V-Wing.

## ECO-RESEARCH CHAIR IN ENVIRONMENTAL RISK MANAGEMENT

15 February, 1:30 pm  
Adam Finkel, Director of Health Standards Programs, US Occupational Safety and Health Administration (OSHA), "Disconnect Brain and Repeat After Me: Risk Assessment Exaggerates Risks." 2F1.04 (Classroom D) Mackenzie Health Sciences Centre.

## ENGLISH

9 February, 2 pm  
Stephen Slemon, "Colonialism and its Stereotypes: The Making of the 'Thugs'." L-3 Humanities Centre.

## FRIENDS OF THE UNIVERSITY OF ALBERTA

8 March, 7:30 pm  
Jean Vanier, humanitarian and founder of L'Arche Federation, "Hope for a Fearful World." Main Gym, Van Vliet Centre. Free will offering. Cosponsored by L'Arche Association of Edmonton.

## LAW

26 February, 8 pm  
Eldon Foote Lecture Series. Honourable Peter Lougheed, "Can Canadians Become the Best Traders in the World?" Timms Centre for the Arts.

## MUSIC

The following is a list of lectures which will be given by Beverley Diamond, a Distinguished Visiting Professor.

27 February, 8 am  
"A Canadian Native Powwow: Popular Culture or Religious Ritual?" 2-34 Fine Arts Building.  
27 February, 3:30 pm  
"Feminist Musicology?" 2-34 Fine Arts Building.  
28 February, 3 pm  
"Doing Field Research in Canada." 2-13 Fine Arts Building.  
29 February, 11 am  
"Visions of Sound: New Approaches to Studies in Organology." 2-34 Fine Arts Building.  
29 February, 3:30 pm  
"Exploring Feminist Musicology." 2-34 Fine Arts Building.

## NURSING

13 February, noon  
A Neufeld, D Romyn, M Coe and J Mill, "Computer Approaches to Qualitative Analysis." 6-102 Clinical Sciences Building.  
27 February, noon  
V Bergum, B Cameron, W Austin, and S James, "Phenomenology as an Approach to Nursing Research." 6-102 Clinical Sciences Building.

28 February, noon  
Lillian Douglass, "Working with the Media: One Faculty Member's Experience." 6-102 Clinical Sciences Building.

## PHYSICAL THERAPY

21 February, noon  
Michele Crites Battie, "Federal Initiatives to Improve Backcare in the US: The Development and Impact of Clinical Practice Guidelines." 2-07 Corbett Hall.

## PHYSIOLOGY

16 February, 3:30 pm  
James Young, "Molecular Mechanisms of Nucleoside Transport in Mammals and Bacteria." 207 Heritage Medical Research Centre.

## PSYCHOLOGY

CENTRE FOR RESEARCH IN CHILD DEVELOPMENT  
9 February, 1 pm  
Dick Sobsey, "Violence Induced Disabilities." P-319N Biological Sciences Centre.  
1 March, 1 pm  
Todd Rogers and Tom Maguire, "Surrogate Items for Performance Assessment." P-319N Biological Sciences Centre.

## RENEWABLE RESOURCES

15 February, 12:30 pm  
C Schweger, "The Vikings of North Atlantic: Extinction and Sustainability." 2-36 Earth Sciences Building.  
29 February, 12:30 pm  
Mark Dale, "Spatial Pattern Analysis in Ecology." 2-36 Earth Sciences Building.

## RESEARCH SEMINARS ON EARLY WOMEN

13 February, 12:30 pm  
Pippa Brush, "I will not be silent, but I will roar and thunder forth my voice." Hester Biddle: Quaker, Prophet, Activist." Senate Chamber, Arts Building.  
28 February, 2:15 pm  
Hao Li, "The Discourse of Emancipation and the Politics of the Woman Question in Twentieth-Century China." Senate Chamber, Arts Building.

## RICHARD FRUCHT MEMORIAL LECTURE SERIES 1996

27 February, 2 pm  
David Schneiderman, "The Discourse of Difference in the Interpretation of Aboriginal and Treaty Rights." Michael Asch, "Indigenous Peoples,

Anthropological Theory, and the Law of Underlying Title." 201A Law Centre.

28 February, 2 pm  
Sharon Venne, Cree international lawyer, "Indigenous Views of Treaties." 201A Law Centre.  
29 February, 7 pm  
Isabelle Schulte-Tenckhoff, "Challenging State Wisdom: Anthropology, Indian Treaties and the 'Law of Nations'." TL-B1 Tory Lecture Theatre.

## SOCIOLOGY

12 February, noon  
F Trovato and NM Lalu, "What is Happening to the Male/Female Gap in Life Expectancy in the Industrialized World?" 5-15 Tory Building.  
14 February, noon  
Susan McDaniel, "Toward a Synthesis of Feminist and Demographic Perspectives on Fertility." 5-15 Tory Building.

## UNIVERSITY TEACHING SERVICES

26 February, 3 pm  
Joe Fris, "Matrices for Efficient and Critical Review of Existing Information." 219 CAB.  
27 February, 3:30 pm  
Dorian GW Smith, "The Whys and Wherefores of a CD-ROM-based Multimedia Package for Use in Teaching Undergraduate Mineralogy and Crystallography." 1-22 Earth Sciences Building.  
28 February, 3 pm  
Donna M Chovanec, "Philosophy-in-Action in University Teaching: Multiple Approaches to Teaching in Higher Education." 273 CAB.  
29 February, 3:30 pm  
Rene A Day, "Need Help Developing a Teaching Dossier? Teaching Dossier: A Guide is for You." 281 CAB.

## WHAT'S UP DOC?

12:15 pm  
Terry Allen, "Magic Bullet: Targeting Drugs to Cancers." 203 Edmonton Centre.

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# Organizational Development

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**"QUALITY AGREEMENTS":**  
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- reducing costs while improving service
- engaging the customer in helping you manage
- excelling at things people actually care about
- aligning resources to add value
- saying "no" as an important Quality Control issue
- what support is available

Presenter: Roger Dugas, Organizational Development  
Office of the Vice-President (Finance & Administration)




Time: 10:30 to Noon  
Date: February 28, 1996  
Place: Map Room, Lister Hall

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## EVENTS

### EXHIBITIONS

#### EXTENSION CENTRE GALLERY

Until 16 February

"Students' Work - Summer 1995"—an exhibition of works by Faculty of Extension students. Gallery hours: 8:30 am to 8 pm, Monday to Thursday; 8:30 am to 4:30 pm, Friday; 9 am to noon, Saturday. Information: 492-3034. 2-54 University Extension Centre.

#### FAB GALLERY

Until 16 February

"MDF Retail"—since 1988 the Ranger Division of the Blue Ridge Lumber company has sponsored an annual medium density fibre board research project in the University of Alberta's Industrial Design program.

Until 16 February

"Bruce Bentz Furniture Design Selected Works." Gallery hours: 10 am to 5 pm, Tuesday to Friday; 2 to 5 pm, Sunday; closed Saturday, Monday. 1-1 Fine Arts Building.

### MUSIC

9 and 10 February, 8 pm

Opera Scenes. Alan Ord, director. Scenes from operas by Menotti, Mozart, Offenbach and Rossini. Admission: \$5/adult, \$3/student/senior. Convocation Hall.

10 February, 7 pm

Gospel Hour. National Black Coalition of Canada-Edmonton. General admission: \$8.50 at Ticketmaster. Jubilee Auditorium.

11 February, 8 pm

Visiting Artist Recital: Neil Gripp, viola, with Stéphane Lemelin (faculty), piano. Program will include works by Hindemith, Shostakovich and Brahms. Admission: \$10/adult, \$5/student/senior. Convocation Hall.

13 February, 8 pm

Orchestral Winds Chamber Music Concert. Malcolm Forsyth, director. Program will include works by Chagrin, Kurka; also works by saxophone ensemble and large brass ensemble. Admission: \$5/adult, \$3/student/senior. Convocation Hall.

16 February, 8 pm

World Music Concert featuring the *Wajjo Drummers and Dancers*. A musical journey from West Africa to the Caribbean to Western Canada. Cosponsored by Black History Month. Admission: \$10/adult, \$5/student/senior. Convocation Hall.

17 February, 8 pm

Music at Convocation Hall featuring Marek Jablonski, piano. Program will be mostly Chopin (Jablonski is in the process of recording Chopin's entire works). Lecturer: Jolanta Pekacz. Guest host: Lydia Neufeld, Edmonton AM, CBC Radio. Admission: \$10/adult, \$5/student/senior. Convocation Hall.

25 February, 4 pm

Tribute to Black Musicians. National Black Coalition of Canada-Edmonton. Information: 425-0319. Admission: \$5/adult, \$2/child. Provincial Museum of Alberta.

28 February, noon

Noon-Hour Organ Recital: Organ Plus. A concert of music for organ with other instruments. Performers are students of the Department of Music. Convocation Hall.

### THEATRE

#### STUDIO THEATRE

Until 17 February, 8 pm

"Spring Awakening" by Frank Wedekind, translated by Edward Bond, directed by U of A faculty member James DeFelice, with set, properties and lighting designed by U of A faculty member Lee Livingstone. Studio Theatre Box Office: 492-2495. No performance on Sundays. Timms Centre for the Arts.

related activities. Reporting to the Dean, the successful candidate will work with the University of Alberta's Development Office to coordinate Development activities. The Officer will also be responsible for working with the Dean, faculty, alumni, the media and other organizations on a variety of activities related to enhancing the profile of the Faculty of Agriculture, Forestry, and Home Economics. This will include involvement in producing annual reports, case statements for fundraising purposes, newsletters, etc.

The successful candidate must have a university degree and a knowledge of fund development principles, policies and strategies with at least three years' experience in fundraising, public relations or other relevant activities. The candidate must have excellent written and oral communication skills as well as leadership and teamwork abilities.

Applicants are invited to submit a résumé, the names of three references and a letter explaining their interest in and strengths for the position to: Dr EW Tyrchniewicz, Dean, Faculty of Agriculture, Forestry, and Home Economics, 2-14 Agriculture/Forestry Centre, University of Alberta, Edmonton, Alberta T6G 2P5

The deadline for application is 16 February 1996 with a starting date as soon as possible. This is a contract position, and a competitive salary is offered.

### ASSISTANT REGISTRAR, PUBLICATIONS AND CEREMONIES

The Office of the Registrar and Student Awards is accepting applications for the position of Assistant Registrar. We require a highly motivated individual to join our admissions recruitment team. The Assistant Registrar is responsible for managing design and production of Registrar's Office publications (including recruitment publications and promotion materials, University Calendar, registration books, awards competition materials, and forms); for organization of some student recruitment events; and for direction of ceremonial and student arrangements for convocations and installations. Supervision of three staff and excellent writing and organization skills are required.

The successful candidate will be a good communicator who enjoys working closely with a wide number of individuals at all levels in the community and across campus. Candidates should have a University degree, extensive knowledge of the University and its programs, and publications experience. Salary range: \$35,123 to \$52,691 per year.

Applications for the position, with a detailed résumé including a publication portfolio, should be submitted by 26 February 1996 to: Bonnie Neuman, Associate Registrar and Director of Admissions, Office of the Registrar and Student Awards, 120M Administration Building, University of Alberta, Edmonton, Alberta T6G 2M7

### SUPPORT STAFF

To obtain information on support staff positions, please contact Human Resource Group, 2-40 Assiniboia Hall. You can also call the Job Information line at 492-7205 (24 hours) or consult the weekly *Employment Opportunities Bulletin*.



## ADVERTISEMENTS

### ACCOMMODATIONS FOR RENT

\$225/ROOM/MONTH, 109 Street 74 Avenue. 433-5674.

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### ACCOMMODATIONS FOR SALE

VICTORIA PROPERTIES - Knowledgeable, trustworthy realtor with Edmonton references will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (604) 383-7100, Lois Dutton, Duttons & Co Ltd. #101-364 Moss Street, Victoria B.C. V8V 4N1

CALL NOW!! - To buy, sell, lease a condominium. \$32,900-\$695,000. Ask for Connie Kennedy, Condo specialist/consultant. Twenty-five years' expertise. RE/MAX, 488-4000, 482-6766, 1-800-275-8191.

GARNEAU, ALMOST NEW, three storey home, third level 800 square feet of undeveloped space. Professionally designed kitchen, three bedrooms, laundry, office/den on second level. Hardwood floors, very bright, neutral. \$224,900. Janet Jenner Fraser/Gordon King, Spencer Real Estate, 483-7170.

QUEEN ALEXANDRA HERITAGE HOME with spacious rooms and high ceilings, lots of hardwood and some upgrading. Very attractive, large backyard, excellent value. Vendor motivated. \$109,900. Janet Jenner Fraser/Gordon King, Spencer Real Estate, 483-7170.

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LOVELY UNIT IN PLACE GABOURY, fireplace, swirl bath, balcony, one bedroom plus den. Well priced at \$91,000. Good access to downtown, University, Faculté Saint-Jean. Call Wilma, 483-0601.

BELGRAVIA, UPGRADED THREE BEDROOM home by Charles Simmons Park. Main floor family room with vaulted ceiling. Carole-Anne Brown, Spencer Realty, 483-7170.

LIFESTYLE-FRIENDLY, SPACIOUS three bedroom condominium. Gorgeous view of Whitemud valley. Large 6 3/4 percent mortgage. Aspen Garden Estates, 4404 122 Street, \$151,900. Rental considered. Bill Lockhart, Spencer's, 483-7170.

### ACCOMMODATIONS WANTED

MCMASTER UNIVERSITY PROFESSOR, spouse and three children seeking home near Uni-

versity for research leave. 1 August 1996-1 August 1997. Bob Henderson, 2 Helen St., Dundas, Ontario, L9H 1N3, 905-525-9140, ext. 23573.

### SERVICES

HOME CLEANING - Hardworking, bonded staff. Reasonable rates. Able maids, 433-9697.

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### GOODS FOR SALE

CASH PAID for quality books. The Edmonton Book Store, 433-1781.

COMPLETE ANTIQUE TEA SET for sale. Asking \$2,250 but will negotiate. Call 482-2928.

### MISCELLANEOUS

REWARD! NEEDS MEDICATION! Reddish blond, spayed female Pomeranian poodle. Missing since 22 December. Page 498-9487, or phone Leduc, 986-2065, or take to the SPCA/pound. We are heartbroken. Help Odie get home!

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## POSITIONS

The University of Alberta is committed to the principle of equity in employment. As an employer, we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities, and members of visible minorities.

### ACADEMIC STAFF

#### FUND DEVELOPMENT OFFICER, FACULTY OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

The Faculty of Agriculture, Forestry, and Home Economics is seeking a Fund Development Officer to coordinate the Faculty's fundraising and

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